

NWS CHANGE FORM PART A			1. DATE SUBMITTED 1 August 2000 Received 8/3/00	
This form is in three parts. Submitters must complete unshaded blocks in Part A and as much of Part B as possible. WSH will complete Part C (implementation details). If there is no specific required change date, enter 60 days from date submitted. Address questions to NWS Change Management at (301) 713-1373. Submit change requests to the NWSRC mailbox (External: NWSRC@noaa.gov).				
2. ORIGINATOR OFFICE APO		3. SUBMITTING AUTHORITY Name: Ward Seguin Routing Code: W/APO1		4. COGNIZANT TECHNICAL INDIVIDUAL Name: Chuck Piercy/Conrad Loveley Routing Code: APO Phone: : (301) 713-1570x124/ 713-0920
5. ORIGINATOR TRACKING NUMBER P432_PRC_A100083				
6. SYSTEMS AFFECTED BY CHANGE <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> ASOS <input checked="" type="checkbox"/> AWIPS <input type="checkbox"/> CRS <input type="checkbox"/> NEXRAD <input type="checkbox"/> OT HER (specify) _____ </div> <div> <input type="checkbox"/> ATA PRODUCTS (Complete Data Products Supplement) </div> </div>				7. WSH TRACKING NUMBER NWS 620 8/4/00
8. TITLE OF CHANGE Urgent Security HP-UX 10.20 Patch Bundle (AWIPS SW Version 4.3.4 - COTS)				
9. TYPE OF CHANGE <input type="checkbox"/> HARDWARE <input checked="" type="checkbox"/> SOFTWARE <input type="checkbox"/> DOCUMENTATION ONLY			10. SITES AFFECTED (Attach Part B, Page 2, if needed) All sites	
11. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM (Include problem report reference numbers.) Three operational LDAD Servers in the field has been penetrated from the Internet, impacting NWS operations and exposing the AWIPS network to unneeded risk of penetration. These attacks utilized known HP-UX vulnerabilities for which OS patches are available. The purpose of this RC is to first test these patches on the operational TBD system and then to get these OS patches installed on all fielded LS servers as soon as possible.				
12. KNOWN OR PROPOSED SOLUTION (Include source and description of new features or data products.) Install the 32 HP-UX patches identified in Attachment (1) that were not included in release 4.3.2. Also, implement security enhancements in Attachment (2) items 3a -3b. This change will be implemented as a patch to be installed on top of release 4.3.2, but will be incorporated into the AWIPS baseline in release 5.1.1.				
13. ALTERNATE SOLUTIONS None				
14. REQUIRED CHANGE DATE ASAP		15. RATIONALE FOR REQUIRED CHANGE DATE (Include proposed priority, if known.) NOAA Computer Incident Response Team (CIRT) has directed the AWIPS Security Officer to install these patches ASAP, due to recent security incidents related to AWIPS systems.		
CCB/PMC/CMB DECISION				
16. DECISION AUTHORITY LEVEL		<input checked="" type="checkbox"/> CCB LEVEL ONLY <input type="checkbox"/> FAST TRACK <input type="checkbox"/> PMC or NWS CMB DECISION REQUIRED		
17. CCB LEVEL DECISION Approved: AWCCB meeting 8/3/00		<input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> RECOMMEND APPROVAL <input type="checkbox"/> DISAPPROVED		SIGNATURE DATE SIGNED
FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED				
18. PMC OR NWS CMB DECISION		<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		SIGNATURE DATE SIGNED

NWS CHANGE FORM PART B		1. ORIGINATOR TRACKING NUMBER P432_PRC_A100083	
All RC/ECP submissions must also address the following information. Indicate if any areas are unknown or do not apply. State why information is unknown and when it will be available. Attach extra pages if necessary, referencing each applicable subject.		2. WSH TRACKING NUMBER NWS 620	
FUNDING INFORMATION			
Estimate costs and indicate known sources of funding. (Include travel time, installation time, administrative time, and software development time when applicable.)		3. SOURCE OF FUNDING	4. TOTAL COST \$
5. DEVELOPMENT COSTS (Estimate development costs) Covered under O&M costs. One PRC engineer for 40 hours for patch generation.			AMOUNT
6. OPERATIONAL TEST AND EVALUATION COSTS (Estimate test and evaluation costs) 20 hours for patch testing.			AMOUNT
7. PRODUCTION COSTS (Include acquisition, kit proofing, spares, delivery, and documentation costs) N/A			AMOUNT
8. COMMUNICATIONS SERVICE/CIRCUITS COSTS (Include installation and recurring costs)			AMOUNT
9. IMPLEMENTATION SUPPORT COSTS (Include travel, installation, and administrative costs) N/A			AMOUNT
9A. LIFE CYCLE SUPPORT COSTS (Less communications service/circuits) N/A			AMOUNT
SUPPORTING INFORMATION AND SCHEDULES Provide detailed information needed to implement the requested change.			
10. DEVELOPMENT STATUS/SCHEDULE (Major milestones such as Start, Beta Test, and OT&E) N/A		11. PRODUCTION STATUS/SCHEDULE (Major milestones such as Solicitation, Contract Start Date, Delivery Date, Kit Proofing, etc.) N/A	
12. IMPLEMENTATION/RETROFIT SCHEDULE N/A		13. FACILITY INFORMATION (Attach facility drawings/plans.) N/A	
14. COMMUNICATIONS INSTALLED (Type required, who will order, and associated hardware required; attach Part B, Page 2, if needed.) N/A		15. COMMUNICATIONS SERVICE/CIRCUITS TO BE REMOVED	
16. REQUIRED CLEARANCES, WAIVERS, AND LICENSES (Include person or organization responsible for obtaining each)		17. COORDINATION OF CHANGE WITH OTHER CHANGES Sites must install R4.3.2 before installing the patch.	
18. PHYSICAL ITEMS AND DOCUMENTS AFFECTED (Include part, serial, and document numbers. Attach Part B, Page 2, if needed.)		19. STAFF RESOURCE IMPACTS (Skills and workload impact on maintainers, operators, and managers.)	
20. LOGISTICS IMPACTS (Include facilities, maintenance, training, and support equipment impacts.)		21. OPERATIONAL IMPACTS (Include continuity and back up needs and plans.)	
22. ADDITIONAL MAJOR CHANGE ACTIVITIES (Include who will accomplish each of them and staff hours required.) Alpha tested at BOU with no negative impacts.			

NWS CHANGE FORM PART B - PHYSICAL ITEM AND DOCUMENT IMPACT MATRIX SUPPLEMENT							1. ORIGINATOR TRACKING NUMBER P432_PRC_A100083		
This information is required prior to publication of Engineering Modification Notes and Software Release Notes. List physical items to be replaced and specify any changes in related documentation. (Submitters should complete this information, if known. WSH will assist.)							2. WSH TRACKING NUMBER NWS 620		
3. ITEM NAME, CIRCUIT TYPE, SOFTWARE VERSION, OR SITE LOCATION	4. REMOVE REPLACE MODIFY	5. SUPERSEDED ITEM OR CONFIGURATION		6. SUPERSEDING PART NUMBER OR NEW CONFIGURATION	7. DOC TYPE	8. SUPERSEDED DOCUMENT		9. SUPERSEDING DOCUMENT	
		A. PART NUMBER OR CONFIGURATION	B. SERIAL NUMBER(S) OR COMMENTS			A. IDENTIFIER	B. REV	A. IDENTIFIER	B. REV
AWIPS Software								Change pages & Rel notes in	5.1.1

<p align="center">NWS CHANGE FORM</p> <p align="center">PART C</p>			<p>1. ORIGINATOR TRACKING NUMBER P432_PRC_A100083</p>
<p>WSH is responsible for Part C, but submitters may complete sections that would help clarify the change requirement or the necessary implementation actions.</p>			<p>2. WSH TRACKING NUMBER NWS 620</p>
<p>3. CCB COST EVALUATION</p> <p>NWS COST \$ FAA COST \$ DOD COST \$ OTHER AGENCY COST \$ TOTAL COST \$</p> <p align="center">(SPECIFY)_____</p>			
<p>4. IMPLEMENTATION DOCUMENTS REQUIRED</p> <p><input type="checkbox"/> Engineering Modification Note <input type="checkbox"/> Software Release Notes <input type="checkbox"/> Other Document (Specify)_____</p>			
<p>ADDITIONAL IMPLEMENTATION INSTRUCTIONS (e.g., Implementation schedule, parts shipping instructions, equipment disposal procedures, additional documentation required, and status reporting instructions.) Include documentation, data input, notification vehicle, or specific action step required to verify completion of the implementation activity.</p>			
<p>5. IMPLEMENTATION ACTIVITY REQUIRED</p>		<p>6. REQUIRED COMPLETION DATE</p>	<p>7. RESPONSIBLE PERSON AND OFFICE</p>
<p>1. The software patch will be loaded on CDs and AWIPS sites are notified by the SST. Patch installation is mandatory at all sites.</p> <p>2. Ensure this change is reported to the Weather Service Headquarters (WSH) through the Engineering Management Reporting System (EMRS) according to the instructions in Engineering Handbook number 4, part 2. Record this RC number (NWS620) in Block 17a of the EMRS report.</p> <p>3. Ensure the appropriate WSH management information systems and configuration management data bases are updated to reflect these changes</p>		<p>31 August 2000</p> <p>2 October 2000</p> <p>1 Dec 2000</p>	<p>Thigpen/SST W/APO3</p> <p>ESA at each site listed in Part A-10 (Sites Affected)</p> <p>Michelle deTommaso W/OSO113</p>
			<p>N/A</p>